AMENDMENTS TO THE CLAIMS

Please note and consider the claims in the application as identified below, with currently amended claims comprising markings in the form of strikethrough for deletions and underlining for additions.

1. (currently amended) A method of controlled delivery of analgesic through a patient's skin to a patient's ~~systemic circulation~~body comprising:

delivering an analgesic through the skin of patient at a delivery site on ~~the~~ said skin;

applying a temperature modification apparatus proximate to ~~the~~ said delivery site on ~~the~~ said skin; and

heating said skin with ~~the~~ said temperature modification apparatus to a pre-determined temperature range for a pre-determined duration of time.

2. (currently amended) ~~A~~ The method of Claim 1, wherein said temperature modification apparatus comprises:

a shallow chamber defined by ~~a cover, a frame of~~ an air impermeable material, said chamber having at least one side that allows air to enter into said chamber at a pre-determined rate~~and a bottom~~; and

a heat generating medium disposed within said chamber~~; and~~

~~means to affix said shallow chamber onto said human skin~~.

3. (currently amended) ~~A~~ The method of Claim 2, wherein said ~~means to affix said~~ shallow chamber ~~onto human skin~~ comprises an adhesive disposed on at least

one side of said chamber ~~such that said adhesive affixes said chamber to human skin, when said adhesive is in contact with human skin~~.

4. (currently amended) The method of Claim 2, wherein said temperature modification apparatus further comprises means to affix said shallow chamber to a dermal drug delivery system, said means to affix to a dermal drug delivery system being an adhesive that has the characteristic of being less adhesive to the dermal drug delivery system than the adhesion between said dermal drug delivery system and said ~~means to affix to~~ human skin ~~is adhesive~~.

5. (currently amended) The method ~~as claimed in~~ of ~~Claim~~ claim 2, wherein said heat generating medium comprises activated carbon and iron in a pre-determined ratio.

6. (currently amended) The method ~~as claimed in~~ of ~~Claim 4~~claim 2, wherein said heat generating medium further ~~comprising~~ comprises sodium chloride and ~~sawdust~~ wood powder.

7. (currently amended) The method ~~as claimed in~~ of ~~Claim~~ claim 1, wherein ~~the~~ said temperature modification apparatus further comprises a substantially two-dimensional device comprising a resistor layer capable of generating heat when supplied with electricity, means to affix said substantially two-dimensional device to human skin, and means to supply electric currents to said resistor layer.

8. (currently amended) The method ~~as claimed in~~ of ~~Claim~~ claim 7, wherein said means to supply electric current to said resistor layer comprises means to regulate the ~~intensity~~ amount of electric current supplied to said resistor layer.

9. (currently amended) The method ~~as claimed in~~ of ~~Claim 7~~ claim 8, wherein ~~the~~ said means to regulate the ~~intensity~~ amount of electric current supplied to said resistor layer is capable of doing so according to the temperature generated by ~~regulating the intensity of electric current according to the temperature of~~ said substantially two-dimensional device.

10. (currently amended) The method ~~as claimed in Claim 9~~of claim 8, wherein said means to regulate ~~said intensity~~ the amount of ~~said~~ electric current supplied to said resistor layer comprises a thermistor.

11. (currently amended) The method ~~as claimed in~~ of ~~Claim~~ claim 1, further comprising the step of discontinuing said heating of said skin when further continuation of said heating would be injurious to the patient.

12. (currently amended) The method ~~as claimed in~~ of ~~Claim~~ claim 1, ~~wherein the step of said heating of said skin comprises~~further comprising the step of discontinuing said heating of said skin when continuation of said heating would ~~be injurious~~ cause an adverse affect to the patient.

13. (currently amended) The method ~~as claimed in~~ of ~~Claim~~ claim 1, wherein ~~the~~ said step of ~~said~~ heating said skin includes heating said analgesic.

14. (currently amended) The method ~~as claimed in~~ of ~~Claim~~ claim 1, wherein ~~the~~ said ~~step of heating further comprises heating a transdermal analgesic delivery system to a~~ pre-determined temperature range is ~~of about~~ between about 38° C and 45°C.

15. (currently amended) The method ~~as claimed in~~ of ~~Claim 1~~ claim 23, further comprising the step of discontinuing said heating ~~of said skin of said human body with said temperature modification apparatus at a time~~ when a said patient's said break-through pain diminishes.

16. cancelled

17. (currently amended) The method ~~as claimed in~~ of ~~Claim~~ claim 1, wherein said pre-determined temperature is ~~increased to~~ about 60°C.

18. cancelled

19. (currently amended) The method as claimed in Claim 1, wherein ~~the~~ said pre-determined temperature range is between about ~~39° C to about~~ and 44°C.

20. (currently amended) The method of Claim 2, wherein said ~~cover comprises an~~ air impermeable material, ~~said material defining a~~ comprises a pre-determined number of openings having a pre-determined size.

21. (currently amended) The ~~apparatus as claimed in~~ method of ~~Claim~~ claim 2, wherein said ~~cover comprises an~~ air impermeable material ~~defining at least one opening covered with a membrane, said membrane having~~ comprises a pre-determined air permeability factor.

22. (currently amended) A drug delivery system comprising:

a transdermal drug patch for delivering an analgesic transdermally when said patch is applied to a patient's skin, and

a temperature control apparatus secured to said patch ~~and~~, said temperature control apparatus being capable of heating said patch and said patient's skin proximate said patch to a pre-determined temperature range for a pre-determined duration of time, when said patch is disposed on said patient's skin and when said temperature control apparatus is secured to said patch.

23. (new) The method of claim 1, wherein said step of applying a temperature modification apparatus proximate to said delivery site on said skin is performed when said patient starts to feel the onset of breakthrough pain.